

**ABSTRACT**

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The present invention relates to a process for preparing a catalyst for partial oxidation of propylene and iso-butylene, and more particularly to a process for preparing a catalyst for partial oxidation of propylene and iso-butylene that can stably prepare a catalyst that shows high activity for conversion of propylene and iso-butylene to obtain acrolein and methacrolein with a high yield, by dissolving salts of metals acting as a catalyst in a nitric acid aqueous solution or in an organic acid solution to prepare a catalyst suspension, drying the catalyst solution in a microwave oven, and then pulverizing and molding the dried catalyst, and calcining the catalyst.